

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

[Absence of an entry indicates that a conservation tree/shrub suitability group is not assigned]

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Ad:		
Alluvial land, occasionally flooded	85	3
Fargo, depressional	5	---
Colvin, depressional	5	---
Cashel	5	---
Af:		
Alluvial land, frequently flooded	85	10
Marsh	8	---
Water	7	---
Ar:		
Arveson	85	2k
Ulen	5	---
Rockwell	5	---
Hamar	5	---
As:		
Hamar, depressional	45	2
Arveson, depressional	45	10
Rockwell	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
-----------------------------	---------------------	--

As:

Markey	3	---
Kratka	3	---
Marsh	1	---

Aw:

Wheatville	45	1k
Augsburg	45	2k
Glyndon	2	---
Colvin	2	---
Borup	2	---
Bearden	2	---
Rockwell	1	---
Grimstad	1	---

BaA:

Barnes	85	3
Swenoda	3	---
Soils that have sandy material at a depth of 36 to 70 inches	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
BaA:		
Kittson	3	---
Barnes, eroded	3	---
Waukon	2	---
Poorly drained soils	1	---
BaB:		
Barnes	85	3
Waukon	3	---
Swenoda	3	---
Kittson	3	---
Barnes, eroded	3	---
Sverdrup	1	---
Soils that have sandy material at a depth of 36 to 70 inches	1	---
Poorly drained soils	1	---
BaB2:		
Barnes, eroded	85	3
Swenoda	2	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
BaB2:		
Sverdrup	2	---
Langhei	2	---
Kittson	2	---
Hamerly	2	---
Barnes	2	---
Waukon	1	---
Soils that have sandy material at a depth of 36 to 70 inches	1	---
Poorly drained soils	1	---
BaC2:		
Barnes, eroded	85	3
Waukon	3	---
Swenoda	3	---
Sverdrup	3	---
Barnes	3	---
Langhei	2	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
BaC2: Soils that have sandy material at a depth of 40 to 70 inches	1	---
BbB2: Barnes, eroded	65	3
Langhei, eroded	25	3
Swenoda	2	---
Sverdrup	2	---
Soils that have a thicker and darker surface layer	2	---
Darnen	2	---
Waukon	1	---
Very poorly drained soils	1	---
BcA: Bearden	85	1k
Wheatville	3	---
Hegne	3	---
Glyndon	3	---
Fargo	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
BcA:		
Colvin	3	---
BcB:		
Bearden	85	1k
Wahpeton	4	---
Fargo	4	---
Bearden, eroded	4	---
Soils where slopes are more than 6 percent	3	---
BcC2:		
Bearden, eroded	85	1k
Wahpeton	4	---
Fargo	4	---
Bearden	4	---
Soils where slopes are more than 12 percent	3	---
Bf:		
Bearden	50	1k
Fargo	30	2

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Bf:		
Hegne	10	---
Colvin	10	---
Bo:		
Borup, depressional	85	2k
Colvin, depressional	8	---
Soils tha have a highly organic, mucklike surface layer	7	---
Bp:		
Glyndon	45	1k
Borup	45	2k
Wheatville	2	---
Soils that have a loam or silt loam surface over fine sand	2	---
Rockwell	2	---
Grimstad	2	---
Augsburg	2	---
Br:		
Breaks, rarely flooded	45	10

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Br:		
Alluvial land, very frequently flooded	45	10
Fargo	2	---
Cashel	2	---
Alluvial land, occasionally flooded	2	---
Alluvial land, frequently flooded	2	---
Wahpeton	1	---
Bearden	1	---
CaA:		
Cashel, occasionally flooded	85	1k
Alluvial land, occasionally flooded	8	---
Fargo, depressional	7	---
CaC:		
Cashel, occasionally flooded	85	1k
Fargo	8	---
Wahpeton	7	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Cb:		
Cathro	85	2h
Vallers	3	---
Soils with more than 10 inches organic material	3	---
Soils with less than 16 inches of organic surface material	3	---
Roliss	3	---
Flom	3	---
Cn:		
Colvin	85	2k
Hegne	3	---
Fargo	3	---
Borup	3	---
Bearden	3	---
Augsburg	3	---
Co:		
Colvin, depressional	85	2k
Fargo, depressional	8	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Co:		
Borup, depressional	7	---
DaB:		
Darnen	85	3
Soils with coarser textured colluvium	3	---
Soils that are calcareous at or near the surface	3	---
Kittson	3	---
Flom	3	---
Barnes	3	---
Du:		
Dune land	85	10
Hamar	5	---
Flaming	5	---
Arveson	5	---
FaA:		
Fargo	85	2
Wahpeton	5	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
FaA:		
Hegne	5	---
Colvin	5	---
FaB:		
Fargo	85	2
Wahpeton	4	---
Cashel	4	---
Bearden	4	---
Hegne	3	---
FcA:		
Fargo	85	2
Wahpeton	3	---
viking-like	3	---
Hegne, depressional	3	---
Fargo, depressional	3	---
Colvin	3	---
FcB:		
Fargo	85	2
Wahpeton	4	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
FcB:		
Hegne-like	4	---
Cashel	4	---
Bearden	3	---
Fd:		
Fargo, depressional	85	2
Cashel	8	---
Colvin, depressional	7	---
Ff:		
Flaming, wind eroded	90	1s
Ulen	2	---
Soils that have a surface layer more than 16 inches thick	2	---
Poppleton-like	2	---
Hamar	2	---
Arveson	2	---
Fh:		
Hamar	30	2

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Fh:		
Flaming	30	1s
Arveson	30	2k
Ulen	2	---
Towner	2	---
Poppleton	2	---
Kratka	2	---
Dune Land	2	---
Fm:		
Flom	85	2
Vallers	4	---
Soils that have deposits of colluvium	4	---
Kittson	4	---
Soils that contain less sand and more silt than Flom soils	3	---
Fv:		
Vallers, depressional	45	2k
Flom, depressional	45	2

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Fv:		
Marsh	5	---
Cathro	5	---
FxA:		
Foxhome	85	6g
Sioux	3	---
Roliss	3	---
Mavie	3	---
Kittson	3	---
Hangaard	3	---
GIA:		
Glyndon	85	1k
Wheatville	4	---
Borup	4	---
Augsburg	4	---
Bearden	3	---
GIB:		
Glyndon	85	1k

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
GIB:		
Borup	5	---
Bearden	5	---
Alluvial land, occasionally flooded	5	---
Gn:		
Glyndon, wind eroded	85	1k
Wheatville	4	---
Glyndon	4	---
Borup	4	---
Augsburg	3	---
Gp:		
Pits, gravel	100	---
Gr:		
Grimstad	85	1k
Wheatville	3	---
Ulen	3	---
Swenoda	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Gr:		
Soils with no well-defined zone of carbonate accumulation	3	---
Rockwell	3	---
Ha:		
Hamar	85	2
Ulen	3	---
Soils with a dark-colored surface less than 10 inches thick	3	---
Kratka	3	---
Flaming	3	---
Arveson	3	---
HeA:		
Hamerly	85	1k
Vallers	4	---
Soils with more than 24 inches of sorted material over till	4	---
Kittson	4	---
Soils with a dark-colored surface layer less than 7 inches	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
HeA:		
HeB:		
Hamerly	85	1k
Vallers	4	---
Soils with more than 24 inches of sorted material over till	4	---
Soils with a dark-colored surface layer less than 7 inches	4	---
Langhei	3	---
Hm:		
Hamerly	55	1k
Vallers	35	2k
Swenoda	2	---
Langhei	2	---
Kittson, uplands	2	---
Flom	2	---
Barnes	2	---
Hn:		
Hangaard	85	2k

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Hn:		
Syrene	3	---
Sioux	3	---
Mavie	3	---
Hamar	3	---
Arveson	3	---
Ho:		
Hegne	50	2k
Fargo	30	2
Colvin	7	---
Bearden	7	---
Viking	6	---
Hv:		
Hegne	50	2k
Viking	30	2k
Colvin	7	---
Bearden	7	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Hv:		
Fargo	6	---
INT:		
Water, intermittent	100	---
KsA:		
Kittson	85	1
Soils with less than 10 inch surface and dark subsoil	3	---
Roliss	3	---
Hamerly	3	---
Foxhome	3	---
Swenoda	2	---
Soils with more than 35 percent clay in the subsoil	1	---
KsC:		
Kittson	85	1
Soils with more than 35 percent clay in the subsoil	3	---
Soils with less than 10 inch surface and dark subsoil	3	---
Hamerly	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
KsC:		
Foxhome	3	---
Swenoda	2	---
Roliss	1	---
KtA:		
Kittson, uplands	85	1
Soils with less than 10 inches of surface and dark subsoil	3	---
Soils that contain more than 5 percent coarse fragments	3	---
Hamerly	3	---
Barnes	3	---
Swenoda	2	---
Poorly drained soils	1	---
KtB:		
Kittson, uplands	85	1
Soils with less than 10 inches of surface and dark subsoil	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
KtB:		
Soils that contain more than 5 percent coarse fragments	3	---
Hamerly	3	---
Barnes	3	---
Swenoda	2	---
Poorly drained soils	1	---
LbC2:		
Langhei, eroded	50	3
Barnes, eroded	40	3
Waukon	2	---
Swenoda	2	---
Sverdrup	2	---
Darnen	2	---
Soils with a calcareous surface layer and darker colored	1	---
Flom	1	---
LbD2:		
Langhei, eroded	55	3

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
LbD2:		
Barnes, eroded	35	3
Waukon	2	---
Swenoda	2	---
Sverdrup	2	---
Darnen	2	---
Soils with a calcareous surface layer and darker colored	1	---
Flom	1	---
LbE:		
Langhei	60	3
Barnes	30	3
Maddock	3	---
Darnen	3	---
Waukon	2	---
Sioux	2	---
M-W:		
Water, miscellaneous	100	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
M-W:		
MaA:		
Maddock	90	7
Sverdrup	3	---
Sioux	3	---
Swenoda	2	---
Soils with a dark surface less than 10 inches thick	1	---
Hamar	1	---
MaC:		
Maddock	90	7
Sverdrup	3	---
Sioux	3	---
Swenoda	2	---
Soils with a dark surface less than 10 inches thick	1	---
Hamar	1	---
Me:		
Markey	85	2h

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Me:		
Soils with less than 16 inches organic material over sands	3	---
Soils with an organic surface, underlain by sands, then loam	3	---
Hamar, depressional	3	---
Arveson, depressional	3	---
Rockwell, depressional	2	---
Kratka, depressional	1	---
Mh:		
Marsh	100	10
Mm:		
Mavie	85	2k
Vallers	3	---
Syrene	3	---
Soils that lack a strongly or very strongly calcareous layer	3	---
Roliss	3	---
Rockwell	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
PB:		
Pits, borrow	100	---
Po:		
Poppleton	90	1s
Ulen	2	---
Towner	2	---
Swenoda	2	---
Hamar	2	---
Flaming	2	---
Rc:		
Rockwell	85	2k
Vallers	3	---
Soils with a loamy fine sand surface and less calcareous	3	---
Soils where gravelly pockets replace the sand layer	3	---
Grimstad	3	---
Arveson	3	---
Rk:		

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Rk:		
Rockwell, depressional	45	10
Kratka, depressional	45	10
Hamar	3	---
Arveson	3	---
Roliss, depressional	2	---
Markey	2	---
Ro:		
Roliss	85	2k
Viking	3	---
Vallers	3	---
Rockwell	3	---
Mavie	3	---
Kittson	3	---
Rs:		
Roliss, depressional	85	2k
Vallers	3	---
Rockwell, depressional	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Rs:		
Marsh	3	---
Kratka, depressional	3	---
Cathro	3	---
Ru:		
Rondeau	85	10
Soils with herbaceous material between 36 and 51 inches	5	---
Soils that have no lake sediments	5	---
Marsh	5	---
Sc:		
Seelyeville	85	2h
Soils with organic accumulations between 36 and 50 inches	5	---
Soils with higher undisturbed and rubbed fiber content	5	---
Marsh	5	---
SdA:		
Sioux	90	7

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
SdA:		
Soils with a surface layer more than 14 inches thick	2	---
Soils that have a subsoil of loam	2	---
Maddock	2	---
Hangaard	2	---
Foxhome	2	---
SdB:		
Sioux	90	7
Soils with a surface layer more than 14 inches thick	2	---
Soils that have a subsoil of loam	2	---
Maddock	2	---
Hangaard	2	---
Foxhome	2	---
SgA:		
Sioux	90	7
Maddock	5	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
SgA: Foxhome	5	---
SgC: Sioux	90	7
Maddock	5	---
Foxhome	5	---
SmE: Sioux	45	7
Maddock	45	7
Sverdrup	4	---
Swenoda	3	---
Areas of steep, medium- textured till soils	3	---
SnA: Sverdrup	85	6g
Swenoda	4	---
Sioux	4	---
Maddock	4	---
Soils with a dark-colored surface layer less than 10 inches	3	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
SnA:		
SnC:		
Sverdrup	85	6g
Swenoda	4	---
Sioux	4	---
Maddock	4	---
Soils with a dark-colored surface layer less than 10 inches	3	---
SwA:		
Swenoda	85	5
Towner	4	---
Soils that lack underlying finer textured material	4	---
Grimstad	4	---
Soils with more than 35 percent clay in underlying layers	3	---
SwC:		
Swenoda	85	5
Towner	5	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
SwC:		
Soils with a dark-colored surface layer less than 16 inches	5	---
Grimstad	5	---
Sy:		
Syrene	85	2k
Mavie	5	---
Hangaard	5	---
Arveson	5	---
To:		
Towner	85	5
Swenoda	4	---
Grimstad	4	---
Flaming	4	---
Soils with a dark-colored surface less than 16 inches	3	---
UIA:		
Ulen	85	1k
Grimstad	4	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
UIA:		
Flaming	4	---
Arveson	4	---
Soils that have a high content of very fine sand	3	---
Un:		
Ulen, wind eroded	85	1k
Ulen	4	---
Flaming	4	---
Arveson	4	---
Poppleton	3	---
Va:		
Vallers	85	2k
Soils with a surface of well-sorted silt loams 24 inches	3	---
Roliss	3	---
Hamerly	3	---
Flom	3	---
Soils with less than an 8 inch surface layer	2	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
-----------------------------	---------------------	--

Va:

Soils with a very strong calcareous surface layer	1	---
--	---	-----

Vd:

Vallers, depressional	85	2k
-----------------------	----	----

Roliss	3	---
--------	---	-----

Marsh	3	---
-------	---	-----

Flom	3	---
------	---	-----

Cathro	3	---
--------	---	-----

Soils with 24 inches or more of water-modified silt loam	2	---
--	---	-----

Soils with a surface of dark-colored colluvial material	1	---
---	---	-----

Vk:

Viking	85	2k
--------	----	----

Vallers	4	---
---------	---	-----

Roliss	4	---
--------	---	-----

Rockwell	4	---
----------	---	-----

Mavie	3	---
-------	---	-----

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
Vk:		
W:		
Water	100	---
WaA:		
Wahpeton	85	1
Fargo	5	---
Cashel	5	---
Bearden	5	---
WaB:		
Wahpeton	85	1
Fargo	5	---
Cashel	5	---
Bearden	5	---
WaC:		
Wahpeton	85	1
Soils with a thinner dark- colored layers and more calcareous	10	---
Fargo	5	---
WkA:		
Waukon	85	3

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
-----------------------------	---------------------	--

WkA:

Barnes	3	---
Swenoda	2	---
Soils with sandy underlying material below 40 inches	2	---
Soils with a thicker or darker surface layer	2	---
Parnell	2	---
Kittson	2	---
Flom	2	---

WkB:

Waukon	85	3
Barnes	3	---
Waukon, eroded	2	---
Swenoda	2	---
Soils with sandy underlying material below 40 inches	2	---
Parnell	2	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
WkB:		
Flom	2	---
Darnen	2	---
WkB2:		
Waukon, eroded	85	3
Swenoda	3	---
Soils with sandy underlying material below 40 inches	3	---
Langhei	3	---
Barnes	3	---
Flom	2	---
Parnell	1	---
WkC:		
Waukon	85	3
Barnes	3	---
Waukon, eroded	2	---
Swenoda	2	---
Soils with sandy underlying material below 40 inches	2	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
WkC:		
Parnell	2	---
Langhei	2	---
Flom	2	---
WkD:		
Waukon	85	3
Swenoda	3	---
Soils with sandy underlying material below 40 inches	3	---
Langhei	3	---
Barnes	3	---
Waukon, eroded	2	---
Flom	1	---
Wm:		
Wheatville	85	1k
Glyndon	5	---
Borup	5	---
Augsburg	5	---

Conservation Tree/Shrub Suitability Groups (MN)

Norman County, Minnesota

Map symbol and soil name	Pct. of map unit	Conservation tree/shrub suitability group
-----------------------------	---------------------	--

Wm: